

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062119\  
 Data File : VN056424.D  
 Acq On : 21 Jun 2019 14:29  
 Operator : JC/SP  
 Sample : PB120805ZHE#01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB120805ZHE#01

Quant Time: Jun 22 01:46:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061919W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 21 03:45:40 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 382644   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 649038   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 652158   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 197062   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 217350   | 51.25 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.50% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 189903   | 46.90 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 93.80%  |      |
| 50) Toluene-d8              | 10.09  | 98  | 815146   | 51.74 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.48% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 264840   | 50.43 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.86% |      |

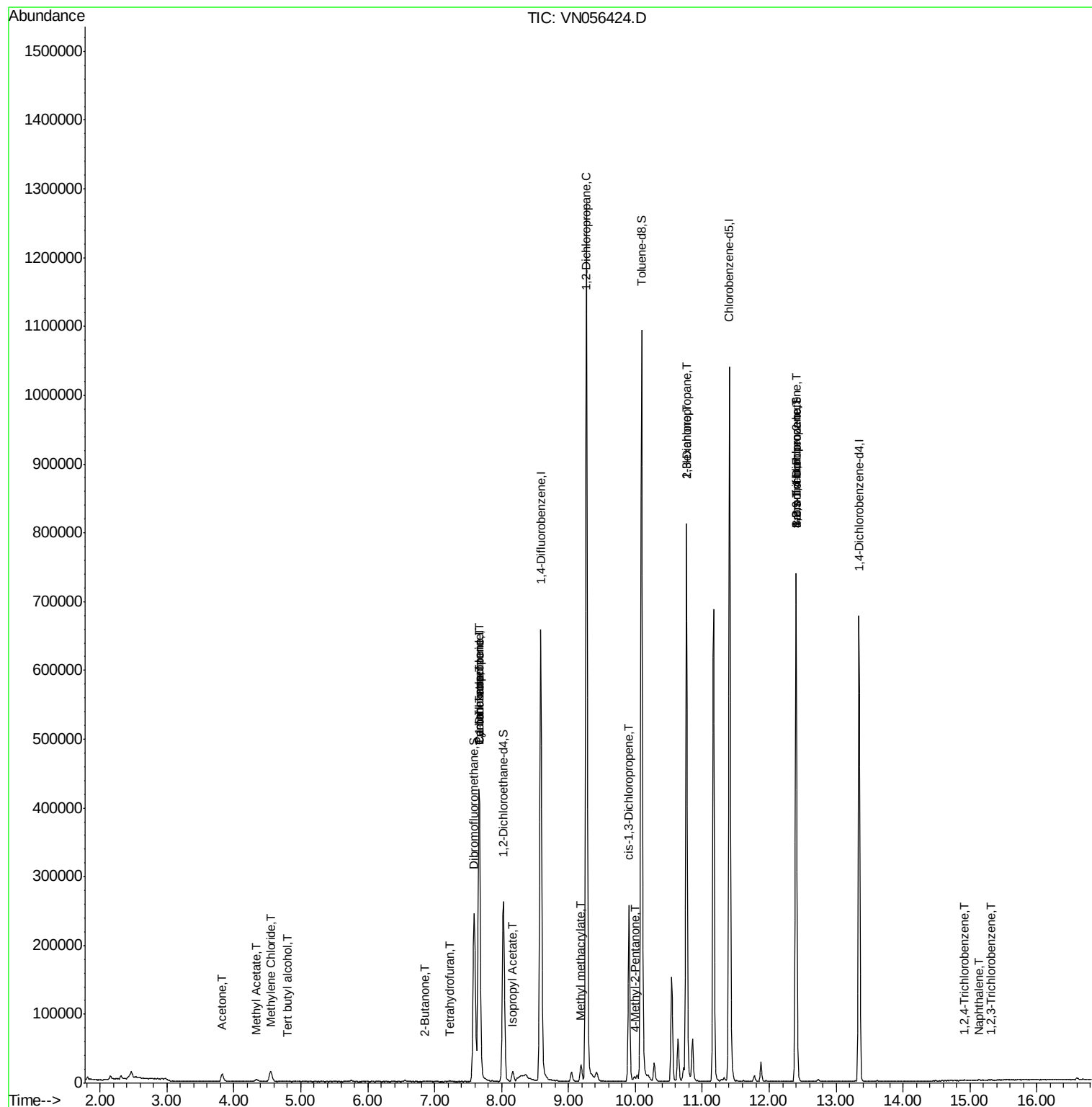
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 11) Tert butyl alcohol         | 4.80  | 59   | 801      | 1.121     | ug/l # | 74     |
| 16) Acetone                    | 3.82  | 43   | 20505    | 9.651     | ug/l   | 95     |
| 18) Methyl Acetate             | 4.34  | 43   | 5833     | 0.543     | ug/l # | 67     |
| 20) Methylene Chloride         | 4.55  | 84   | 12286    | 2.217     | ug/l   | 97     |
| 25) 2-Butanone                 | 6.86  | 43   | 2630     | 0.935     | ug/l   | 94     |
| 29) Tetrahydrofuran            | 7.23  | 42   | 1234     | 0.718     | ug/l # | 64     |
| 31) Cyclohexane                | 7.67  | 56   | 5932     | 0.906     | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75   | 24858    | 4.351     | ug/l # | 49     |
| 38) Carbon Tetrachloride       | 7.66  | 117  | 33494    | 6.705     | ug/l # | 16     |
| 43) Isopropyl Acetate          | 8.17  | 43   | 18129    | 2.094     | ug/l # | 88     |
| 45) 1,2-Dichloropropane        | 9.27  | 63   | 1923     | 0.409     | ug/l # | 43     |
| 48) Methyl methacrylate        | 9.18  | 41   | 9966     | 2.297     | ug/l # | 12     |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 4485     | 0.803     | ug/l   | 97     |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75   | 47602    | 7.580     | ug/l # | 62     |
| 57) 1,3-Dichloropropane        | 10.76 | 76   | 8411     | 1.159     | ug/l # | 42     |
| 59) 2-Hexanone                 | 10.76 | 43   | 116377   | 28.339    | ug/l # | 52     |
| 71) Bromoform                  | 12.40 | 173  | 1910     | 3.644     | ug/l # | 1      |
| 73) Isopropylbenzene           | 12.25 | 105  | 247      | Below Cal | #      | 48     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 124179   | 30.390    | ug/l # | 100    |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 286      | Below Cal | #      | 40     |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 1640     | Below Cal |        | 90     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 124179   | 108.012   | ug/l # | 8      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 138      | Below Cal | #      | 28     |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 307      | 5.693     | ug/l # | 51     |
| 94) Hexachlorobutadiene        | 15.01 | 225  | 63       | Below Cal | #      | 18     |
| 95) Naphthalene                | 15.13 | 128  | 1171     | 5.361     | ug/l # | 73     |
| 96) 1,2,3-Trichlorobenzene     | 15.32 | 180  | 434      | 4.592     | ug/l # | 62     |

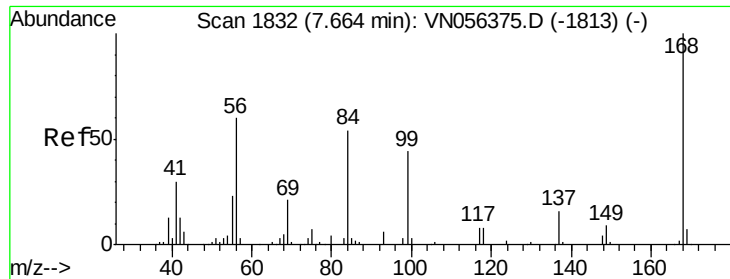
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062119\  
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Sample : PB120805ZHE#01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 15 Sample Multiplier: 1

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Quant Time: Jun 22 01:46:13 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N061919W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 21 03:45:40 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056424.D

Acq: 21 Jun 2019 14:29

Instrument :

MSVOA\_N

ClientSampleId :

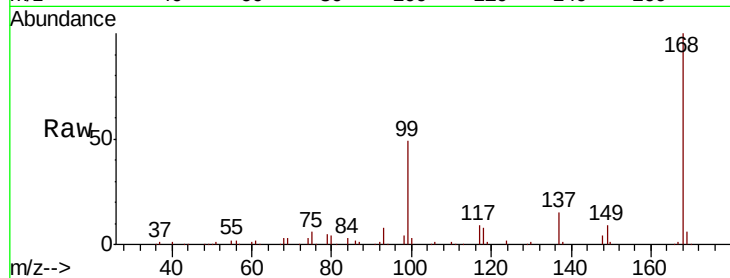
PB120805ZHE#01

Tot Ion:168 Resp: 382644

Ion Ratio Lower Upper

168 100

99 49.3 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): VN056375.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN056375.D (-1813) (-)

7.67

150000

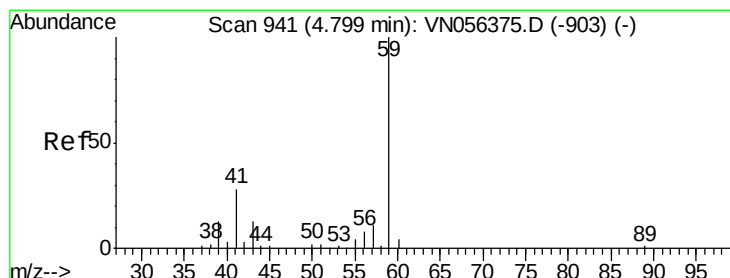
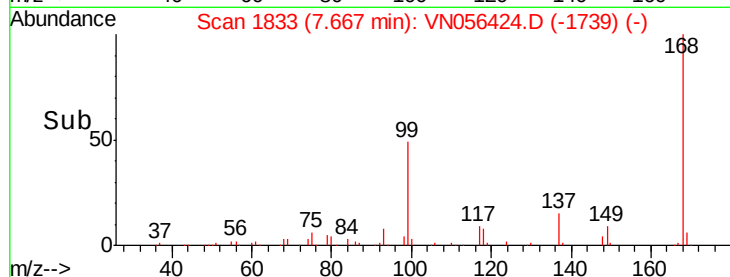
100000

50000

0

7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 1.121 ug/l

RT: 4.80 min Scan# 940

Delta R.T. -0.00 min

Lab File: VN056424.D

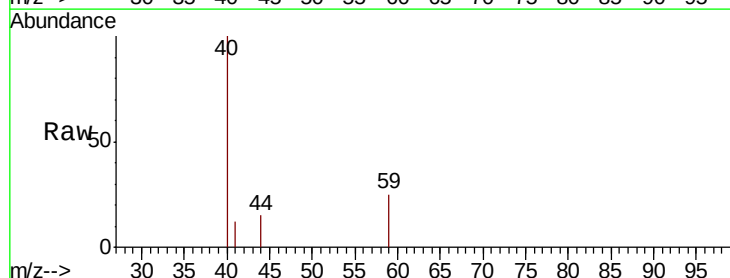
Acq: 21 Jun 2019 14:29

Tgt Ion: 59 Resp: 801

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VN056375.D (-903) (-)

Ion 57.00 (56.70 to 57.70): VN056375.D (-903) (-)

4.80

500

400

300

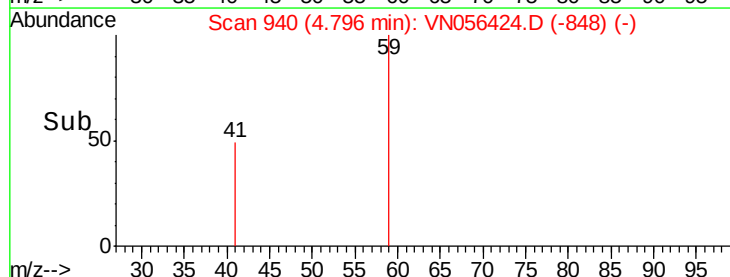
200

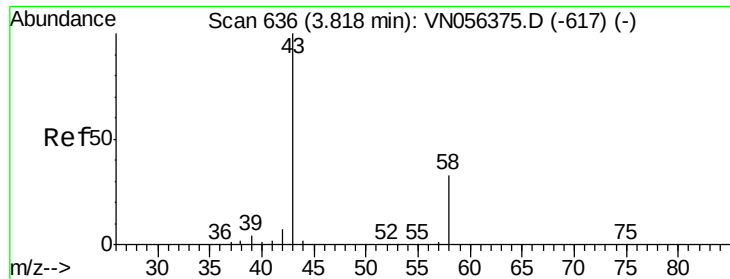
100

0

4.76 4.78 4.80 4.82

Time-->





#16

Acetone

Concen: 9.651 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056424.D

Acq: 21 Jun 2019 14:29

Instrument :

MSVOA\_N

ClientSampleId :

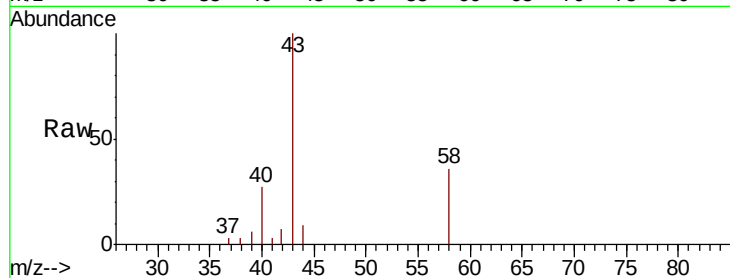
PB120805ZHE#01

Tot Ion: 43 Resp: 20505

Ion Ratio Lower Upper

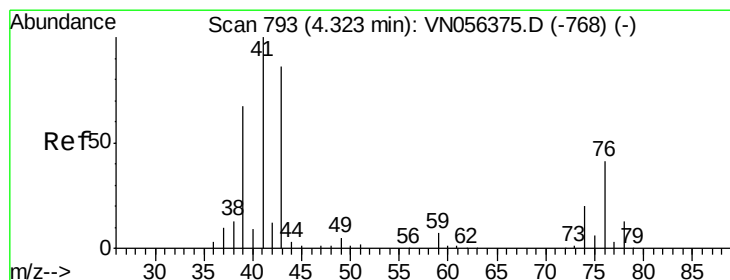
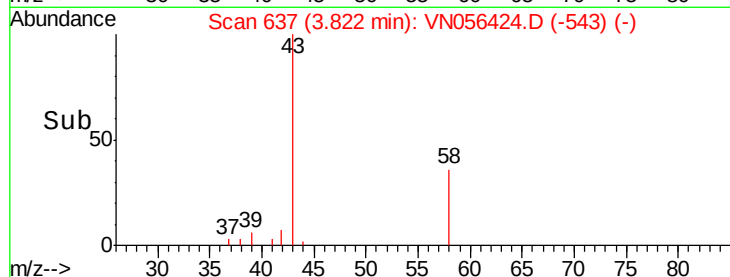
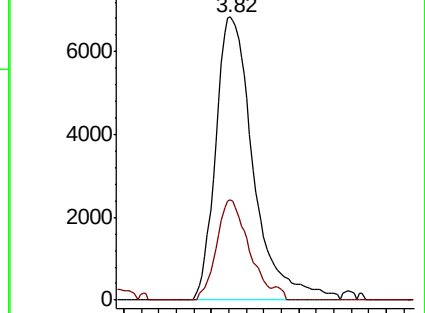
43 100

58 35.6 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.543 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN056424.D

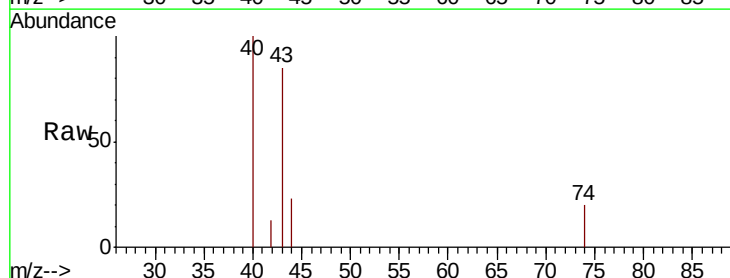
Acq: 21 Jun 2019 14:29

Tgt Ion: 43 Resp: 5833

Ion Ratio Lower Upper

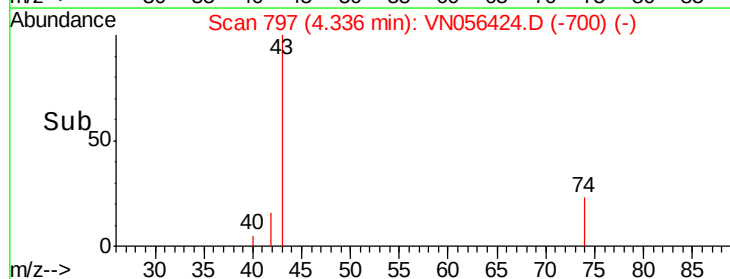
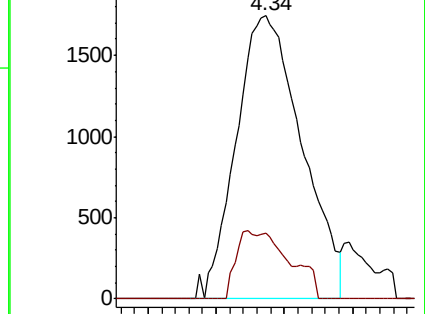
43 100

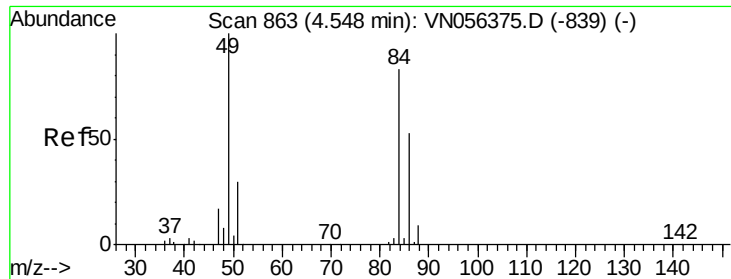
74 7.7 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

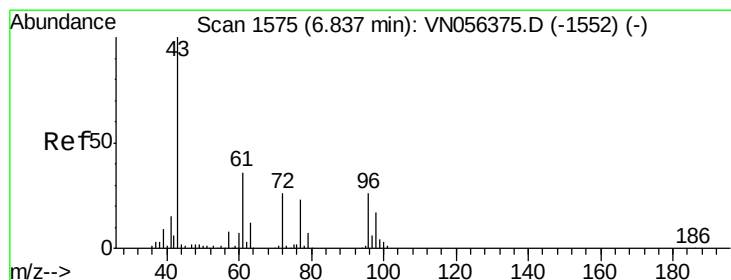
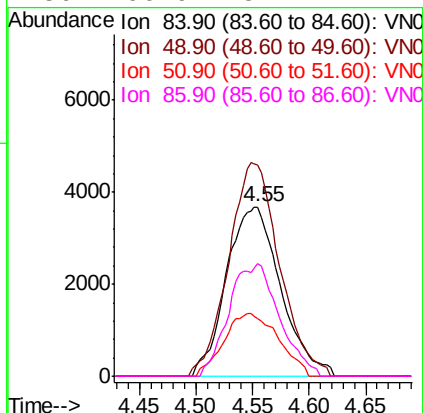
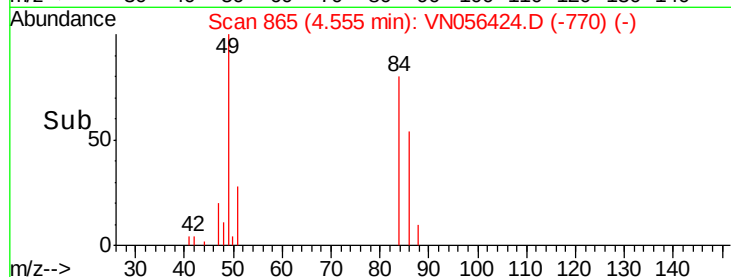
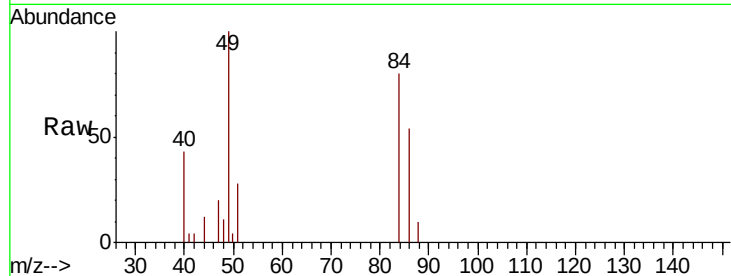




#20  
Methvlene Chloride  
Concen: 2.217 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.01 min  
Lab File: VN056424.D  
Acq: 21 Jun 2019 14:29

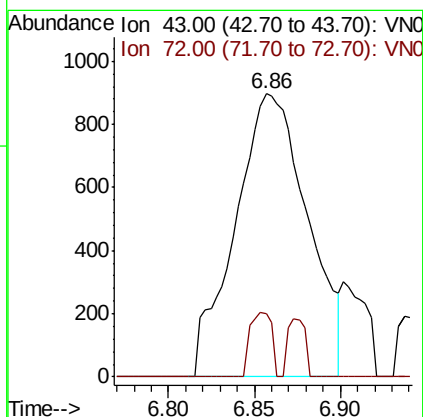
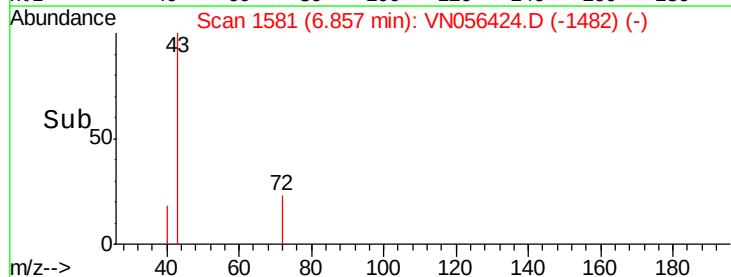
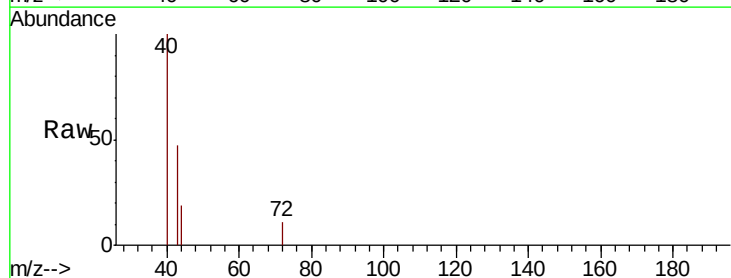
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB120805ZHE#01

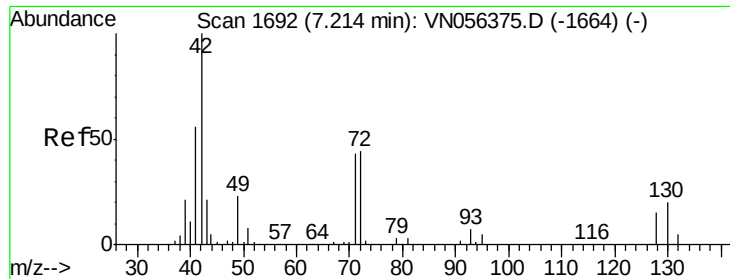
Tot Ion: 84 Resp: 12286  
Ion Ratio Lower Upper  
84 100  
49 124.7 96.4 144.6  
51 34.4 28.6 43.0  
86 66.9 51.4 77.2



#25  
2-Butanone  
Concen: 0.935 ug/l  
RT: 6.86 min Scan# 1581  
Delta R.T. 0.02 min  
Lab File: VN056424.D  
Acq: 21 Jun 2019 14:29

Tgt Ion: 43 Resp: 2630  
Ion Ratio Lower Upper  
43 100  
72 22.5 20.6 31.0

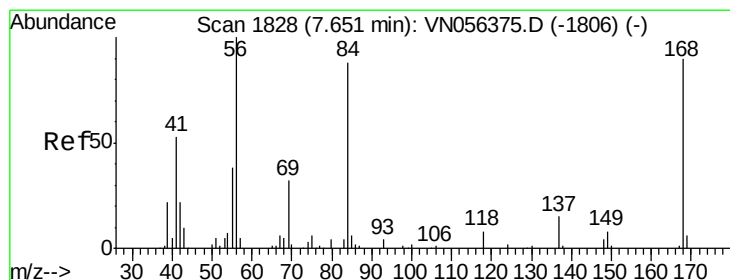
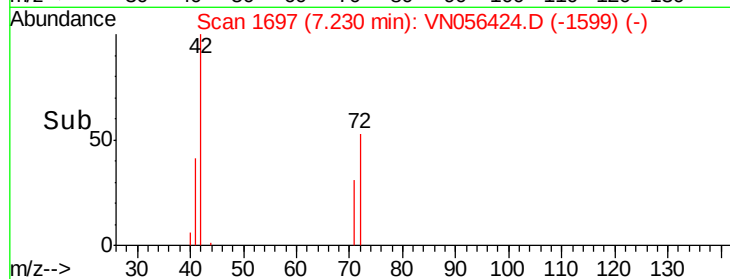
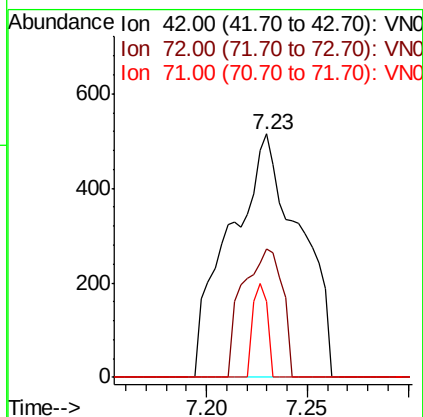
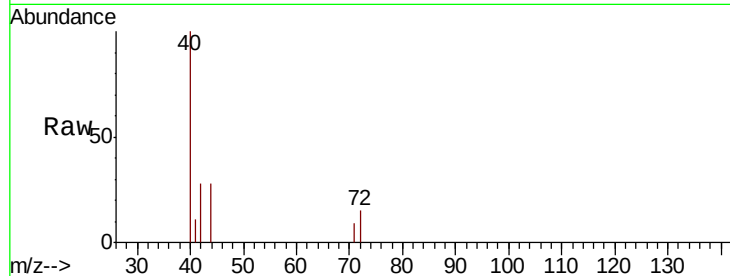




#29  
Tetrahydrofuran  
Concen: 0.718 ug/l  
RT: 7.23 min Scan# 1697  
Delta R.T. 0.02 min  
Lab File: VN056424.D  
Acq: 21 Jun 2019 14:29

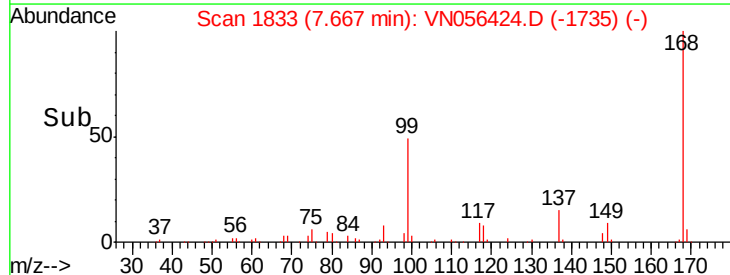
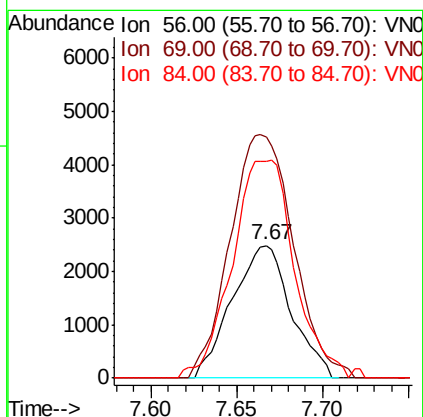
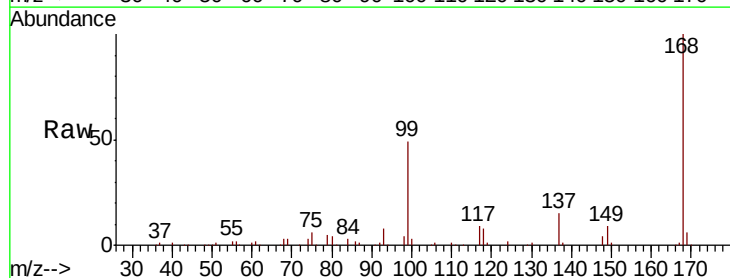
Instrument :  
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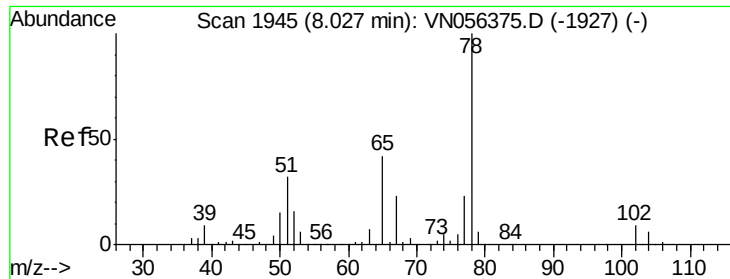
Tot Ion: 42 Resp: 1234  
Ion Ratio Lower Upper  
42 100  
72 30.4 34.7 52.1#  
71 8.1 33.0 49.6#



#31  
Cyclohexane  
Concen: 0.906 ug/l  
RT: 7.67 min Scan# 1833  
Delta R.T. 0.02 min  
Lab File: VN056424.D  
Acq: 21 Jun 2019 14:29

Tgt Ion: 56 Resp: 5932  
Ion Ratio Lower Upper  
56 100  
69 182.0 25.8 38.6#  
84 155.9 69.4 104.0#

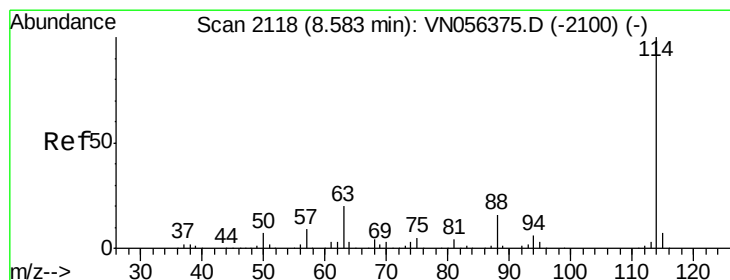
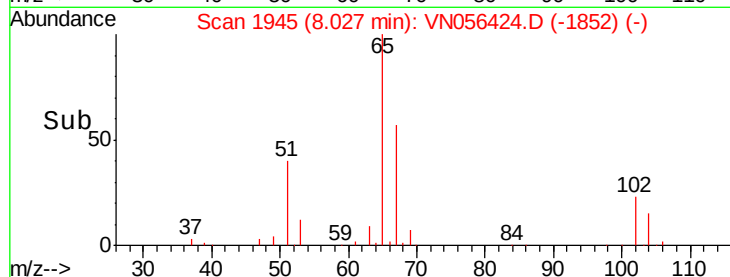
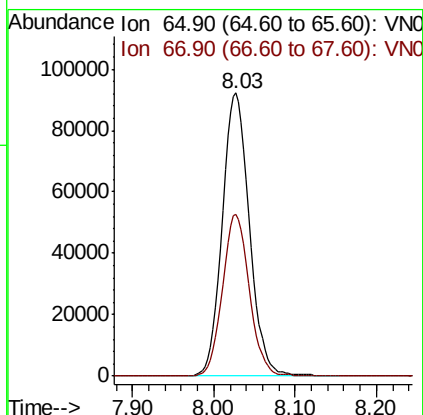
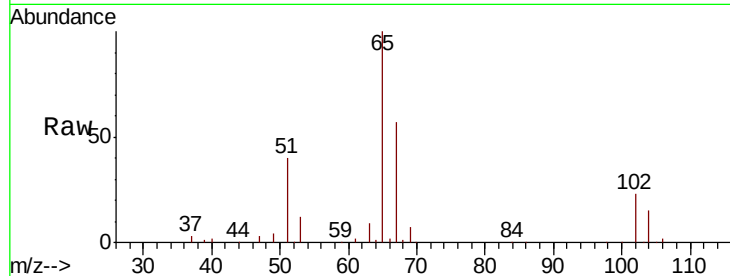




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.251 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN056424.D  
 Acq: 21 Jun 2019 14:29

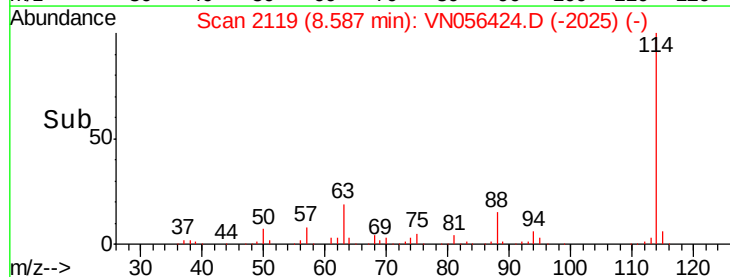
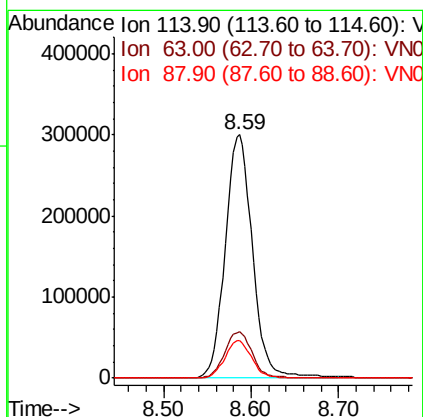
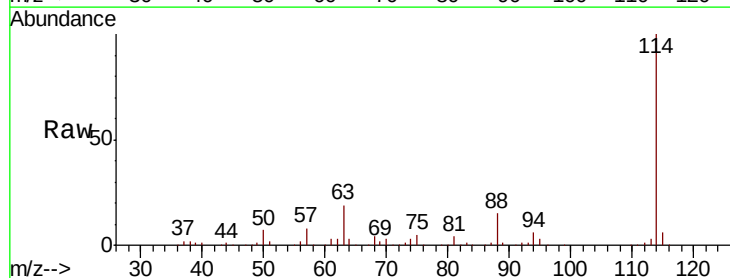
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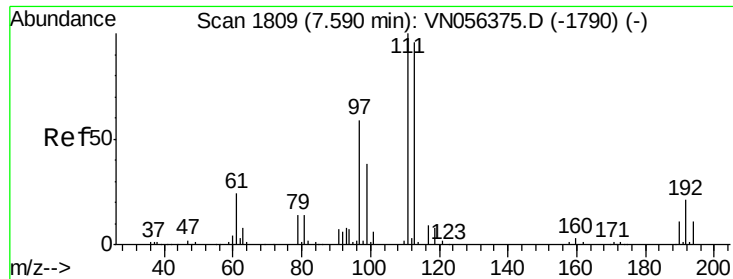
Tot Ion: 65 Resp: 217350  
 Ion Ratio Lower Upper  
 65 100  
 67 56.5 0.0 109.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN056424.D  
 Acq: 21 Jun 2019 14:29

Tgt Ion: 114 Resp: 649038  
 Ion Ratio Lower Upper  
 114 100  
 63 18.9 0.0 39.2  
 88 15.2 0.0 31.4

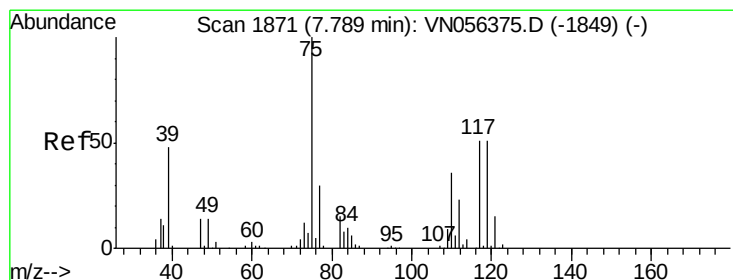
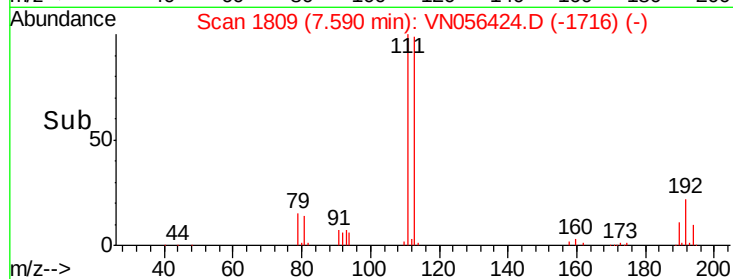
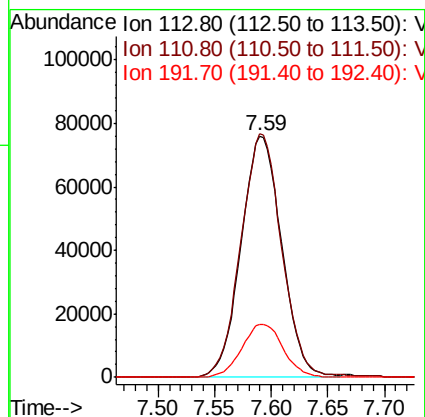
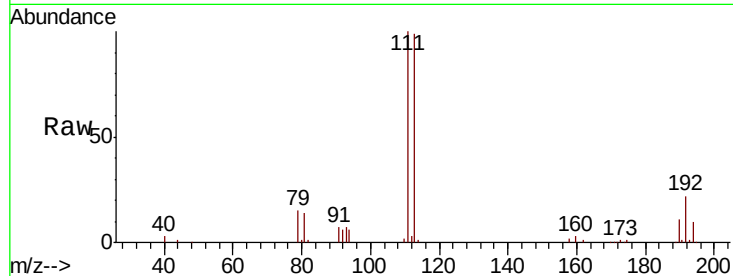




#35  
 Dibromofluoromethane  
 Concen: 46.902 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN056424.D  
 Acq: 21 Jun 2019 14:29

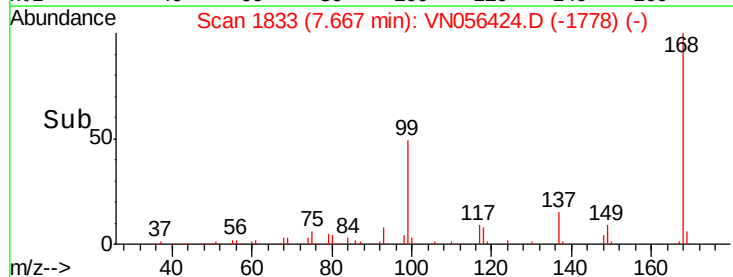
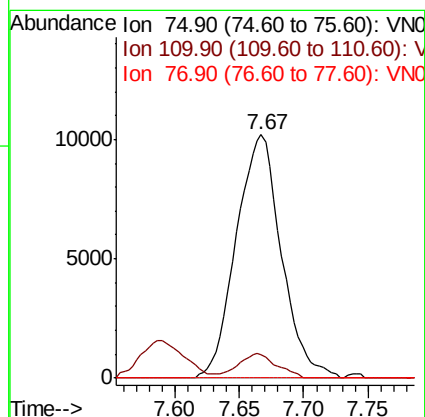
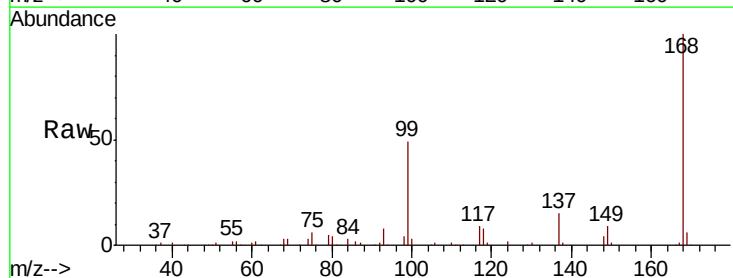
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB120805ZHE#01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.3 | 82.9  | 124.3 |
| 192     | 22.5  | 17.7  | 26.5  |

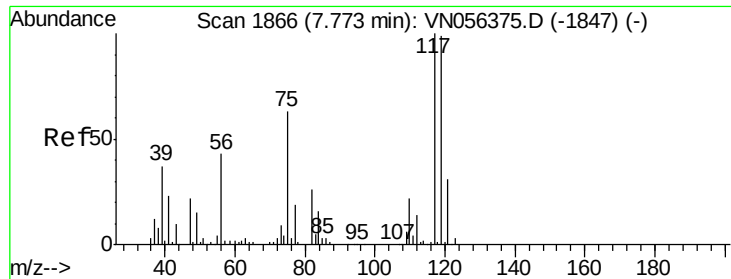


#36  
 1,1-Dichloropropene  
 Concen: 4.351 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.12 min  
 Lab File: VN056424.D  
 Acq: 21 Jun 2019 14:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.5   | 18.1  | 54.3# |
| 77      | 0.0   | 24.6  | 36.8# |







#38

Carbon Tetrachloride

Concen: 6.705 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056424.D

Acq: 21 Jun 2019 14:29

Instrument :

MSVOA\_N

ClientSampleId :

PB120805ZHE#01

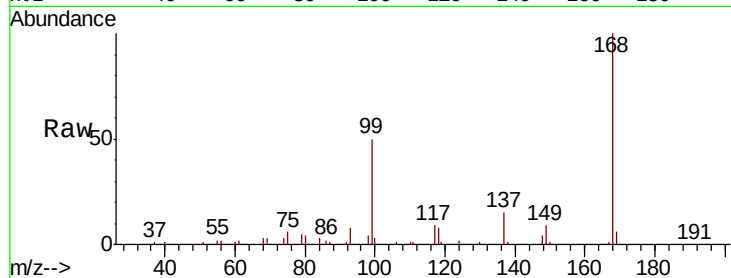
Tot Ion:117 Resp: 33494

Ion Ratio Lower Upper

117 100

119 6.6 79.1 118.7#

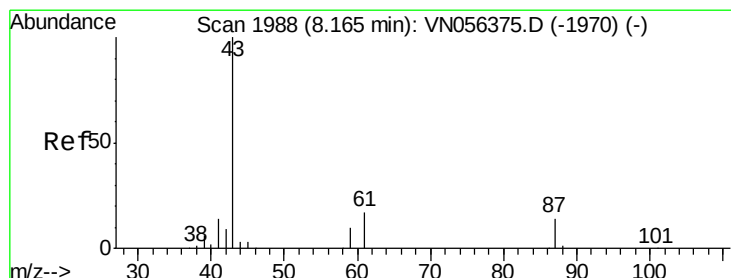
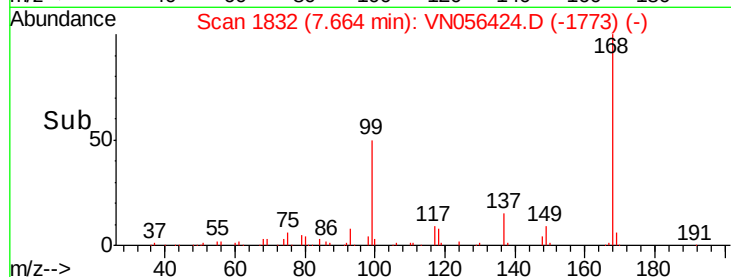
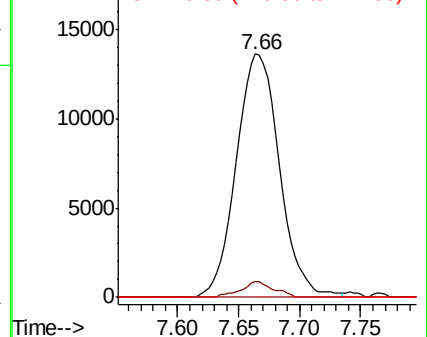
121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 2.094 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056424.D

Acq: 21 Jun 2019 14:29

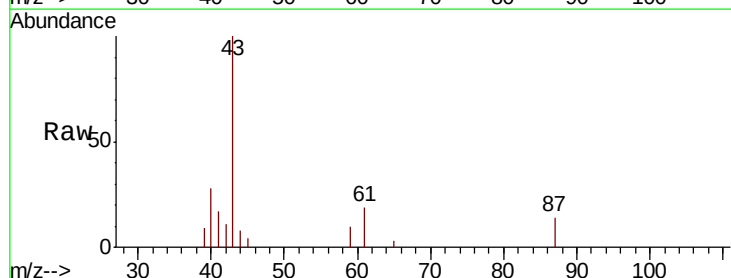
Tgt Ion: 43 Resp: 18129

Ion Ratio Lower Upper

43 100

61 18.6 22.0 33.0#

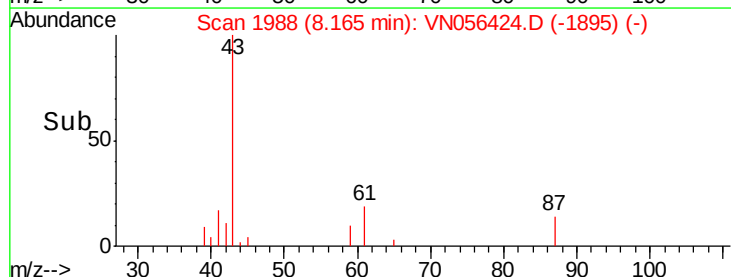
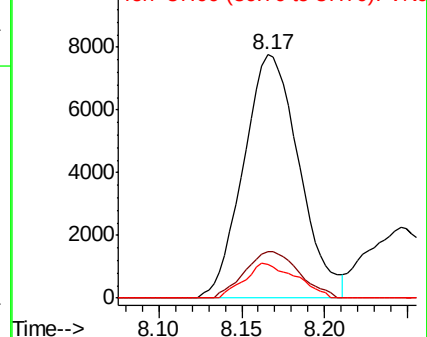
87 13.1 11.0 16.4

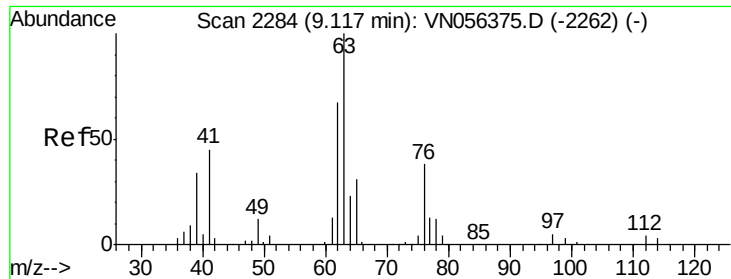


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

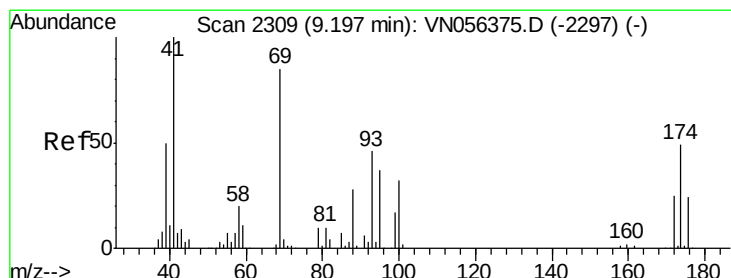
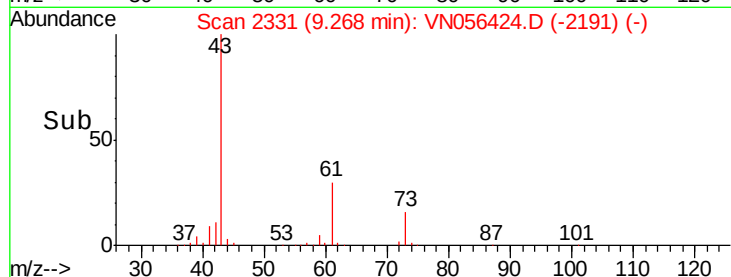
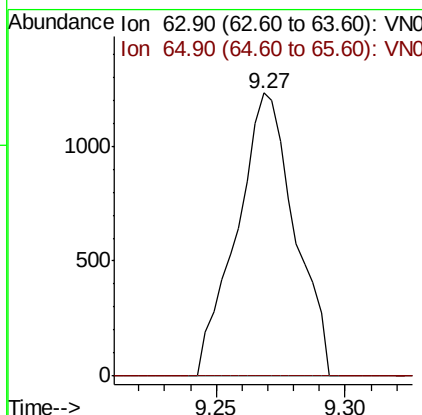
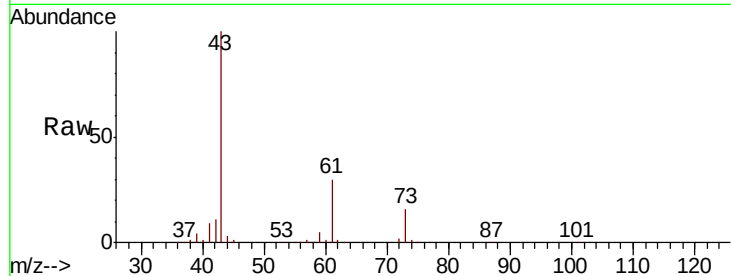




#45  
 1,2-Dichloropropane  
 Concen: 0.409 ug/l  
 RT: 9.27 min Scan# 2331  
 Delta R.T. 0.15 min  
 Lab File: VN056424.D  
 Acq: 21 Jun 2019 14:29

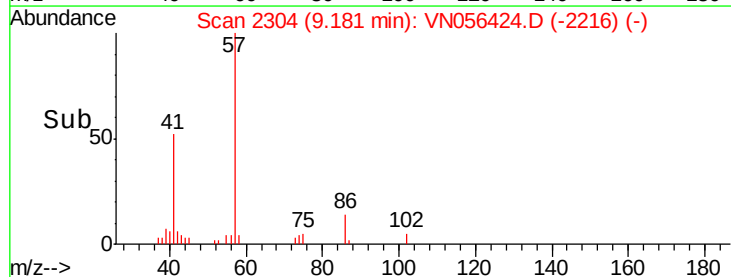
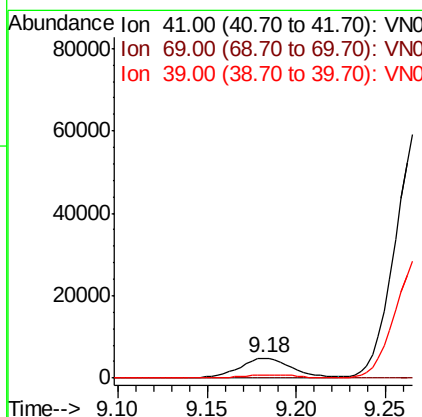
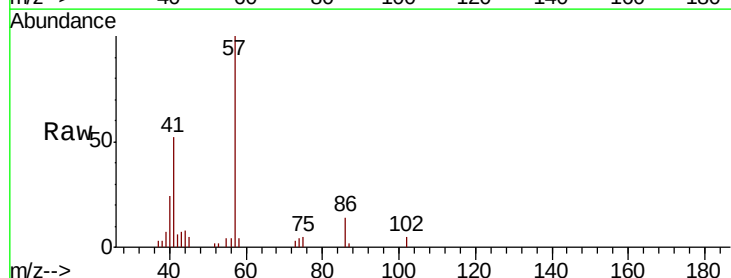
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB120805ZHE#01

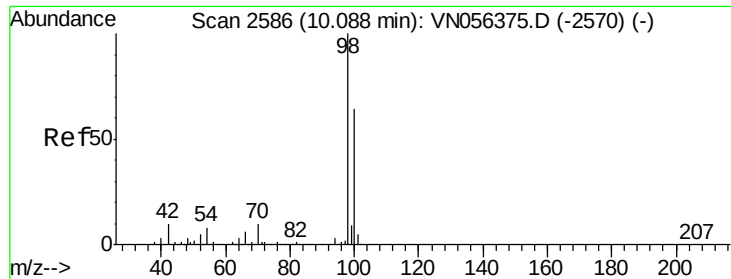
Tot Ion: 63 Resp: 1923  
 Ion Ratio Lower Upper  
 63 100  
 65 0.0 25.0 37.6#



#48  
 Methyl methacrylate  
 Concen: 2.297 ug/l  
 RT: 9.18 min Scan# 2304  
 Delta R.T. -0.02 min  
 Lab File: VN056424.D  
 Acq: 21 Jun 2019 14:29

Tgt Ion: 41 Resp: 9966  
 Ion Ratio Lower Upper  
 41 100  
 69 0.0 72.6 109.0#  
 39 0.0 42.6 63.8#

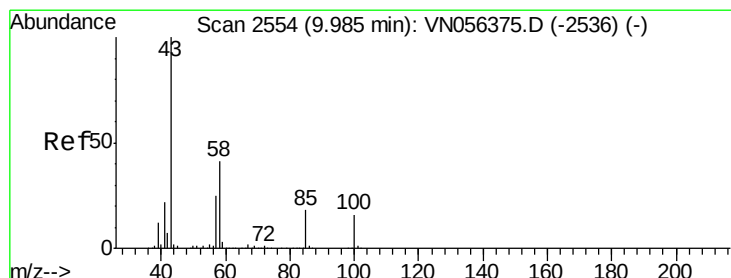
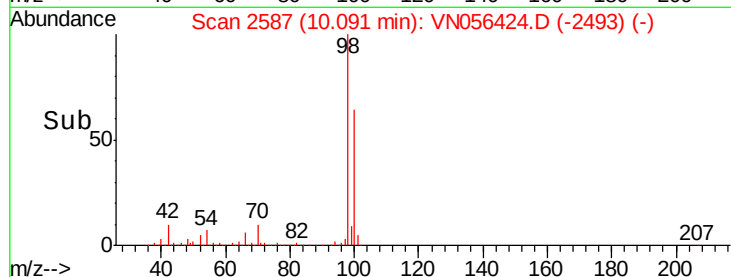
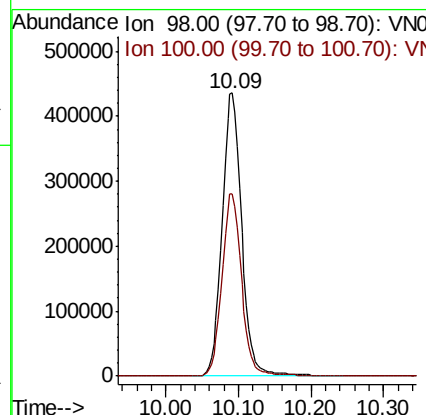
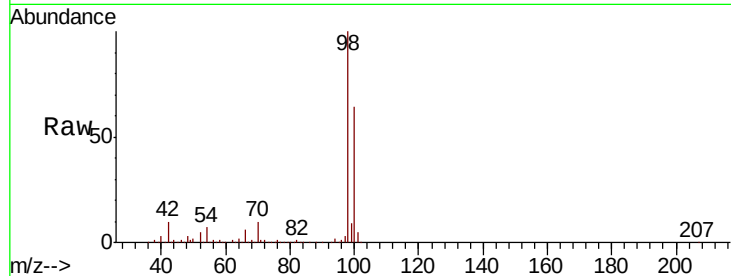




#50  
Toluene-d8  
Concen: 51.740 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN056424.D  
Acq: 21 Jun 2019 14:29

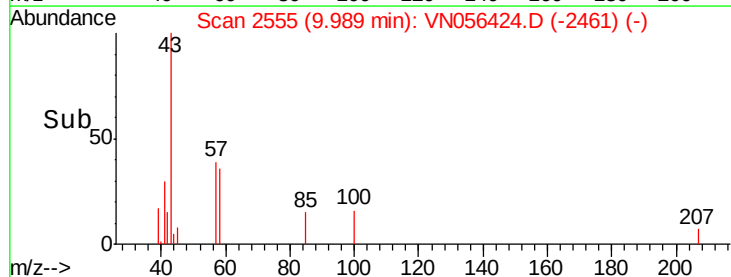
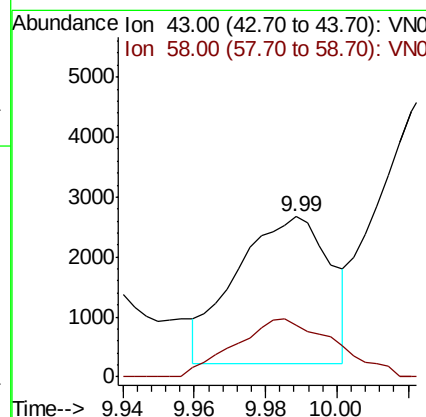
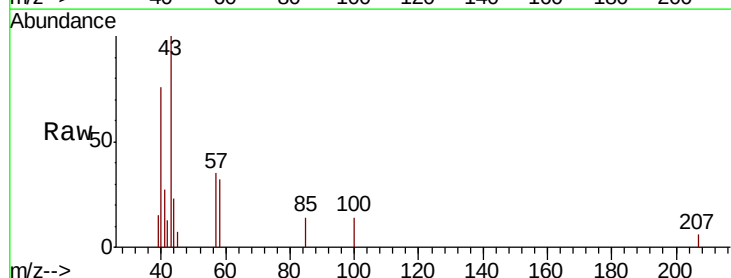
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB120805ZHE#01

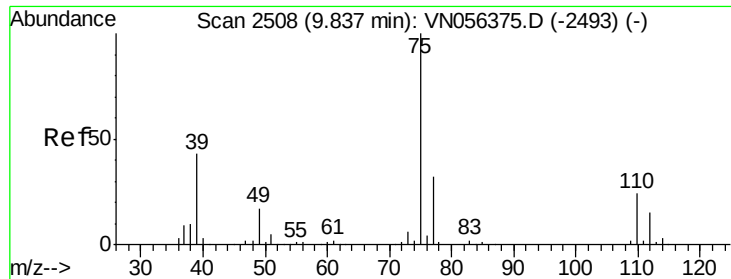
Tot Ion: 98 Resp: 815146  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.2 78.2



#51  
4-Methyl-2-Pentanone  
Concen: 0.803 ug/l  
RT: 9.99 min Scan# 2555  
Delta R.T. 0.00 min  
Lab File: VN056424.D  
Acq: 21 Jun 2019 14:29

Tgt Ion: 43 Resp: 4485  
Ion Ratio Lower Upper  
43 100  
58 41.7 31.8 47.8





#54

cis-1,3-Dichloropropene

Concen: 7.580 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN056424.D

Acq: 21 Jun 2019 14:29

Instrument :

MSVOA\_N

ClientSampleId :

PB120805ZHE#01

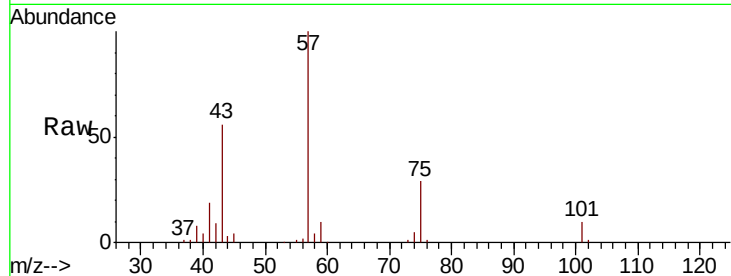
Tot Ion: 75 Resp: 47602

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

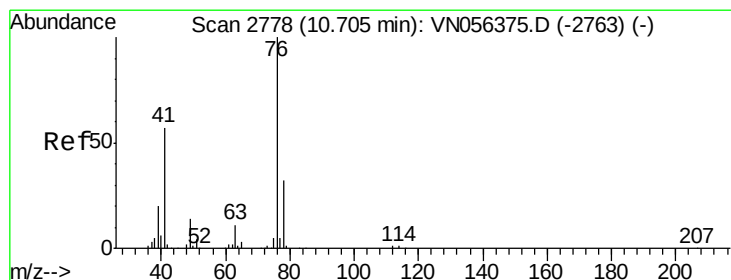
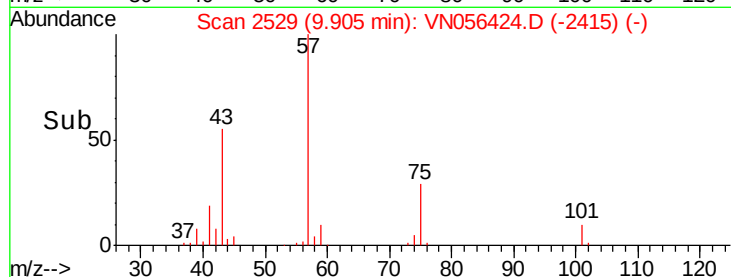
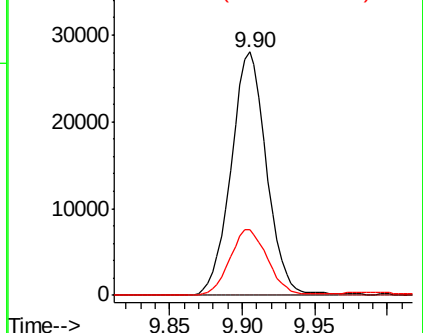
39 27.0 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.159 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN056424.D

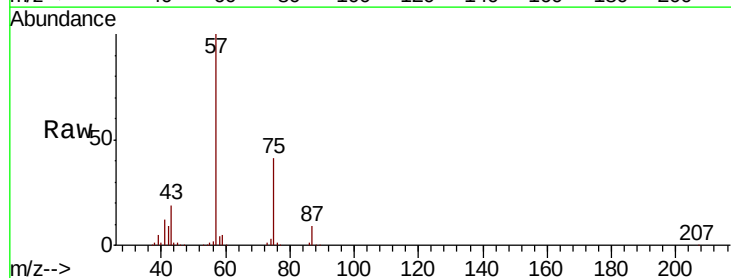
Acq: 21 Jun 2019 14:29

Tgt Ion: 76 Resp: 8411

Ion Ratio Lower Upper

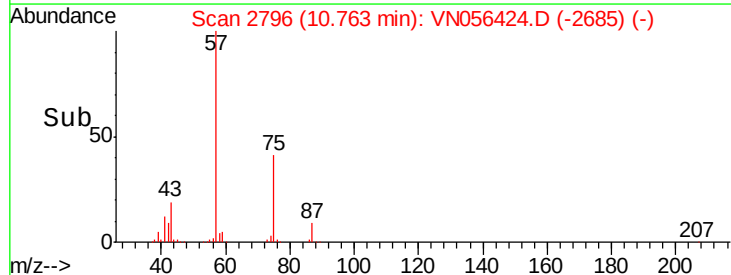
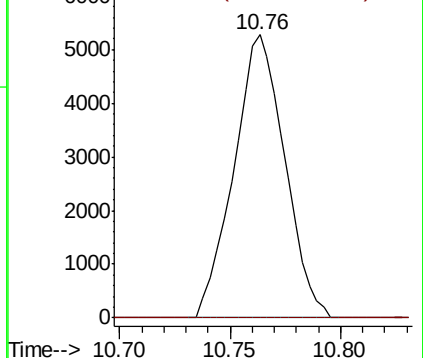
76 100

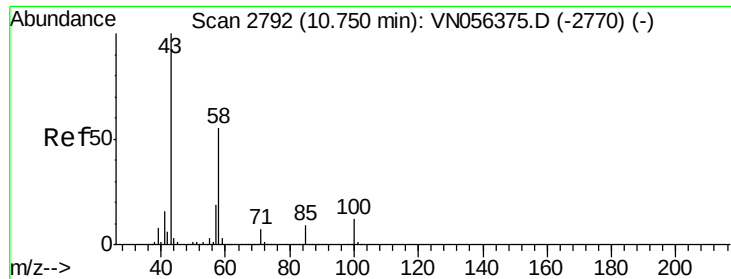
78 0.0 25.9 38.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

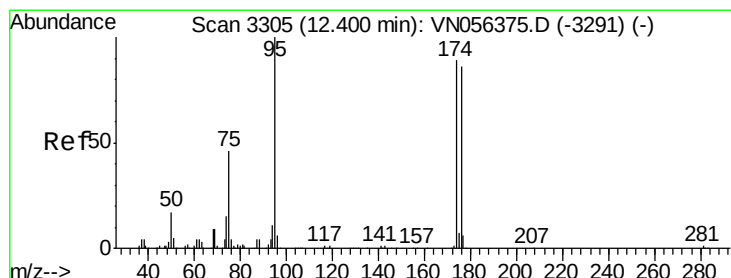
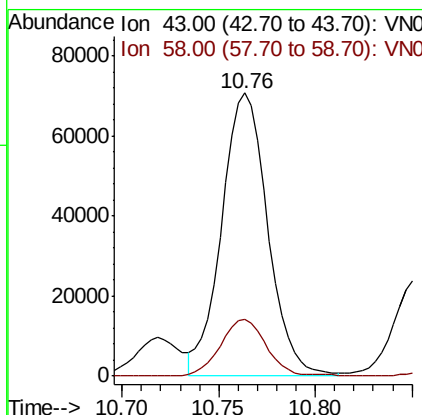
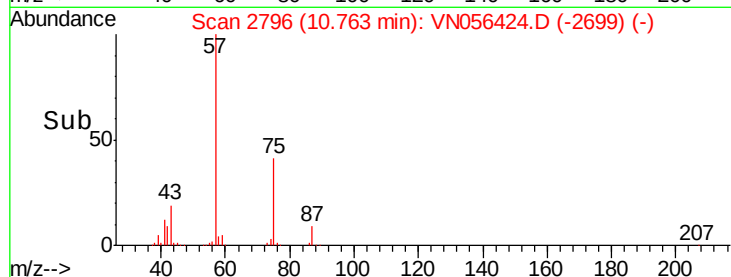
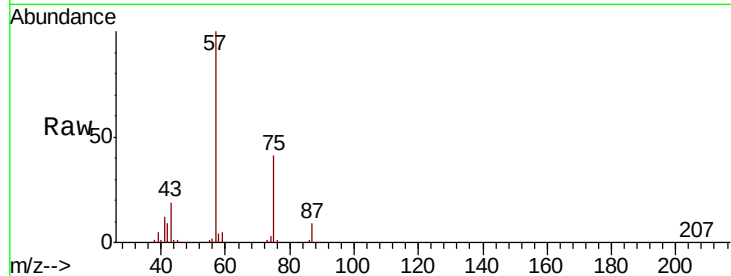




#59  
2-Hexanone  
Concen: 28.339 ug/l  
RT: 10.76 min Scan# 2796  
Delta R.T. 0.01 min  
Lab File: VN056424.D  
Acq: 21 Jun 2019 14:29

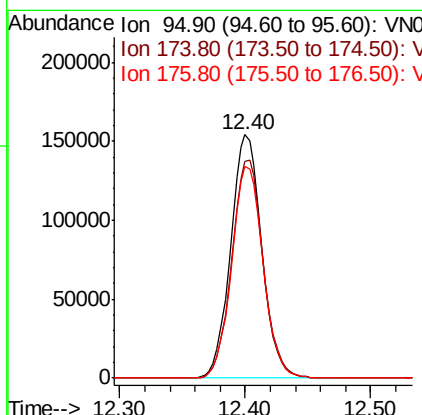
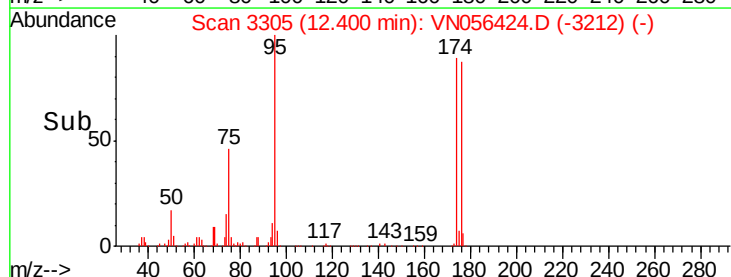
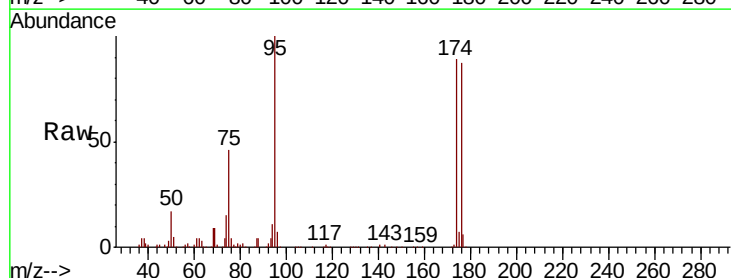
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB120805ZHE#01

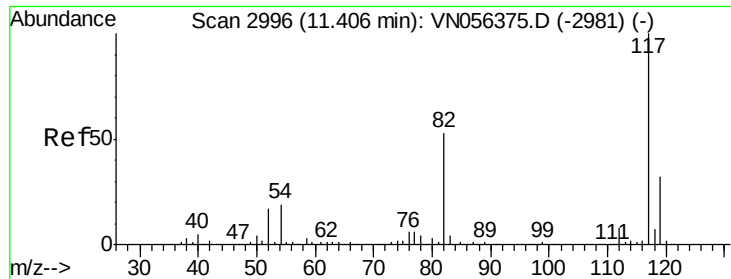
Tot Ion: 43 Resp: 116377  
Ion Ratio Lower Upper  
43 100  
58 20.4 27.8 83.4#



#62  
4-Bromofluorobenzene  
Concen: 50.427 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN056424.D  
Acq: 21 Jun 2019 14:29

Tgt Ion: 95 Resp: 264840  
Ion Ratio Lower Upper  
95 100  
174 90.4 0.0 179.4  
176 87.9 0.0 173.4

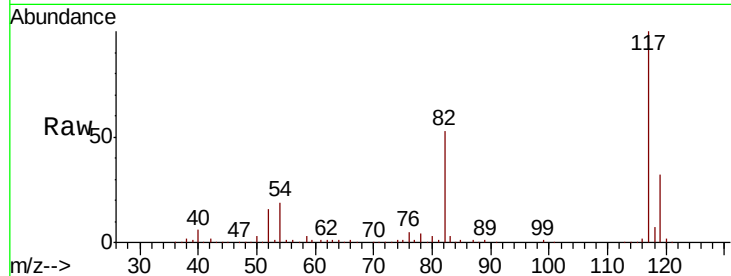




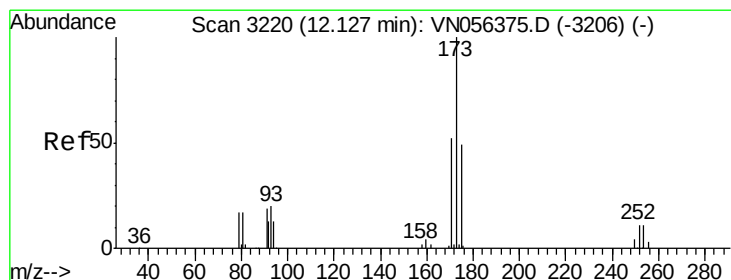
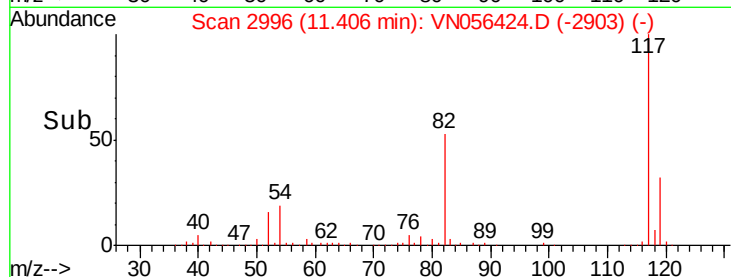
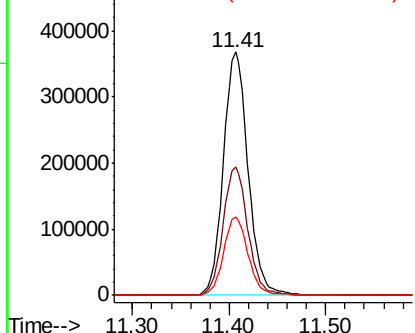
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN056424.D  
Acq: 21 Jun 2019 14:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB120805ZHE#01

Tot Ion:117 Resp: 652158  
Ion Ratio Lower Upper  
117 100  
82 52.9 42.0 63.0  
119 32.3 25.3 37.9

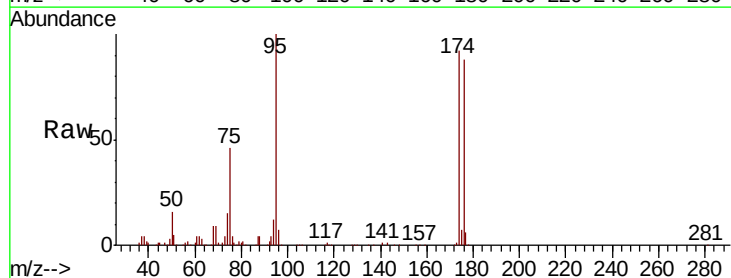


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VN  
Ion 118.90 (118.60 to 119.60): V

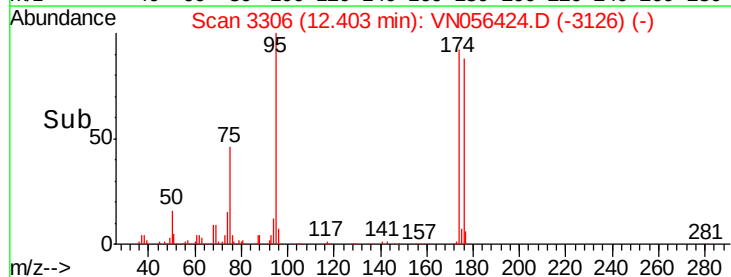
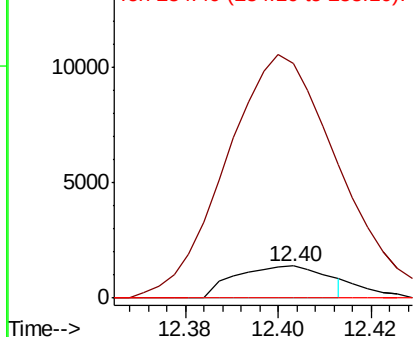


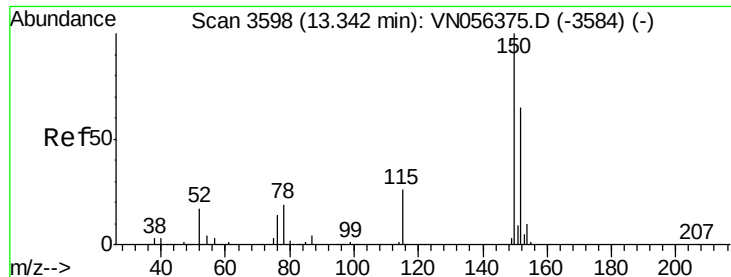
#71  
Bromoform  
Concen: 3.644 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.28 min  
Lab File: VN056424.D  
Acq: 21 Jun 2019 14:29

Tgt Ion:173 Resp: 1910  
Ion Ratio Lower Upper  
173 100  
175 809.8 24.4 73.4#  
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056424.D

Acq: 21 Jun 2019 14:29

Instrument :

MSVOA\_N

ClientSampleId :

PB120805ZHE#01

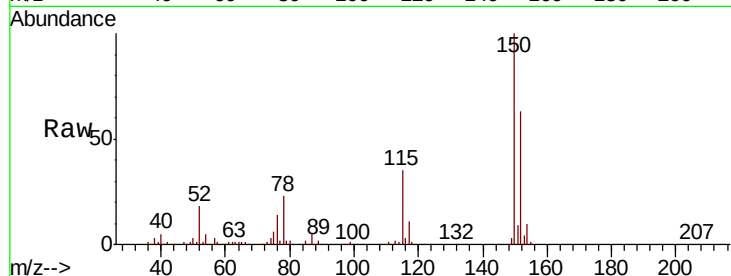
Tot Ion:152 Resp: 197062

Ion Ratio Lower Upper

152 100

115 54.6 28.1 84.4

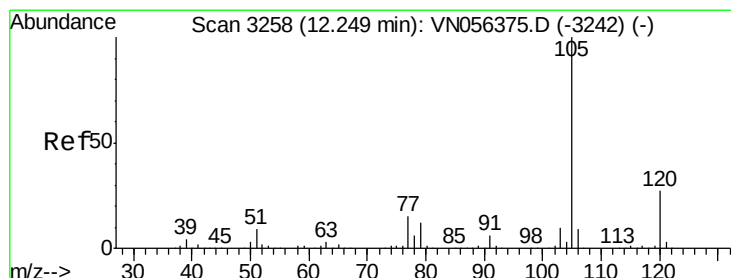
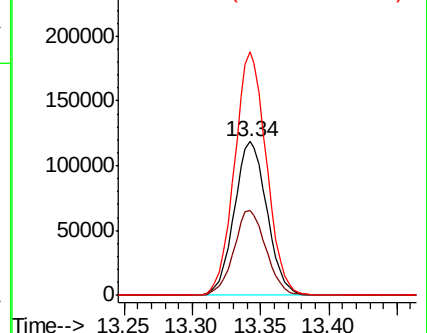
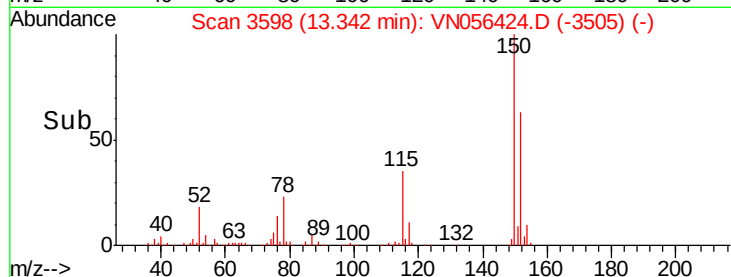
150 154.7 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN056424.D

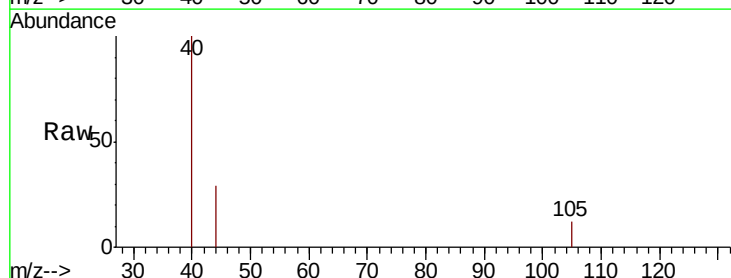
Acq: 21 Jun 2019 14:29

Tgt Ion:105 Resp: 247

Ion Ratio Lower Upper

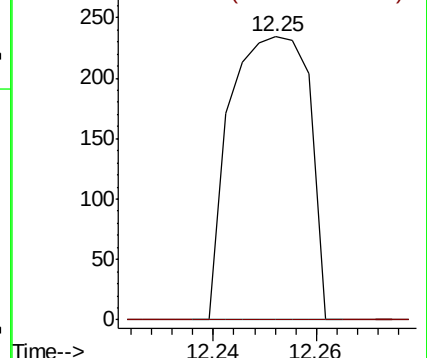
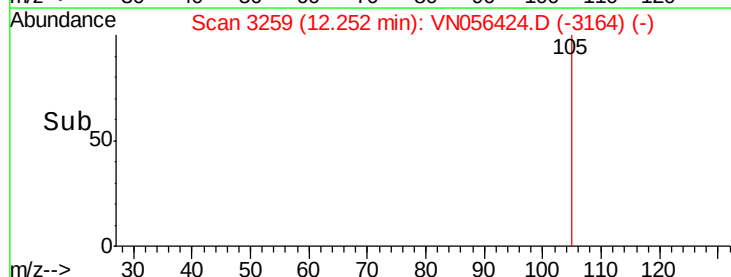
105 100

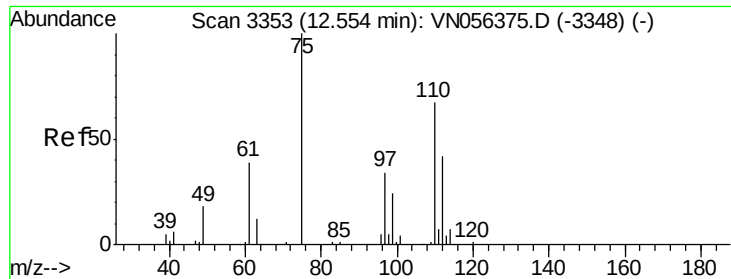
120 0.0 13.4 40.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 30.390 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056424.D

Acq: 21 Jun 2019 14:29

Instrument :

MSVOA\_N

ClientSampleId :

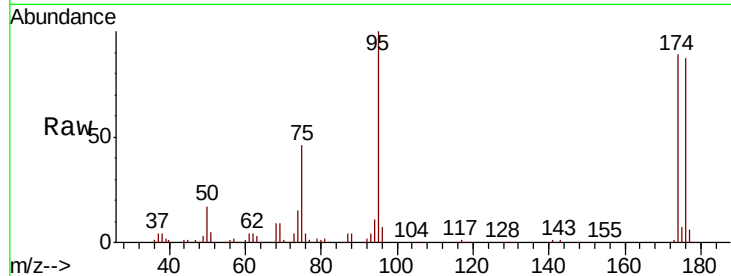
PB120805ZHE#01

Tot Ion: 75 Resp: 124179

Ion Ratio Lower Upper

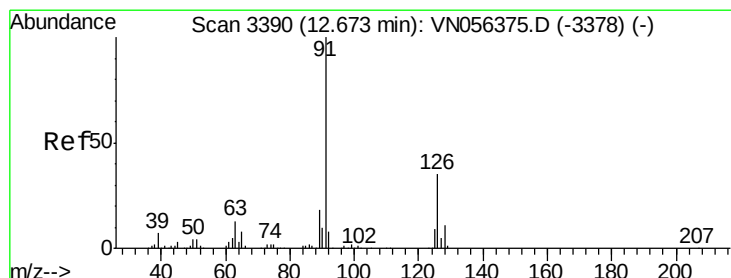
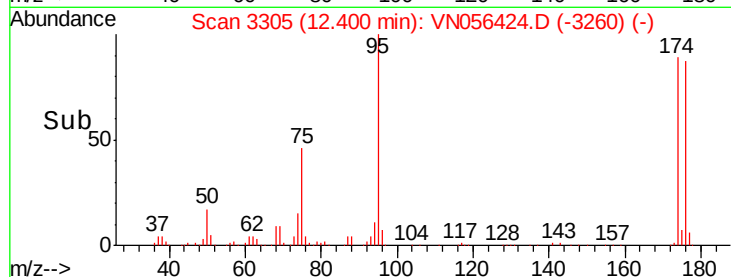
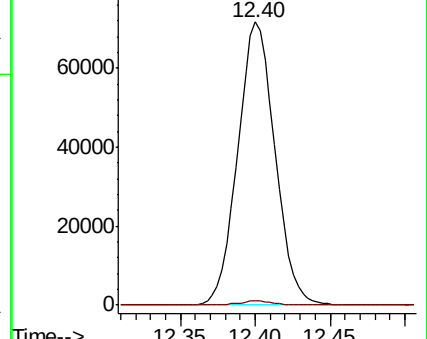
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056424.D

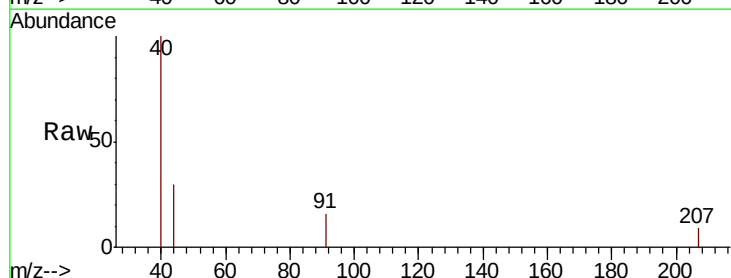
Acq: 21 Jun 2019 14:29

Tgt Ion: 91 Resp: 286

Ion Ratio Lower Upper

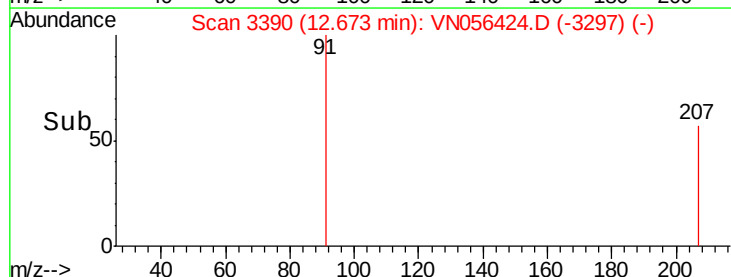
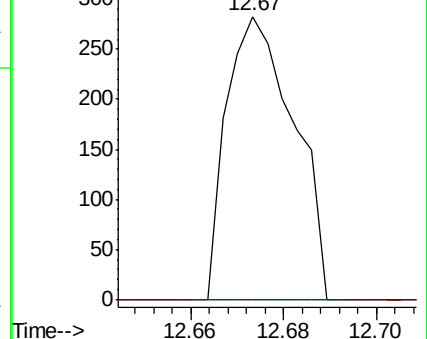
91 100

126 0.0 17.6 52.8#

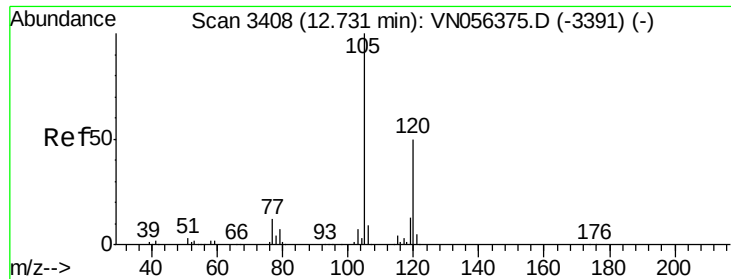


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



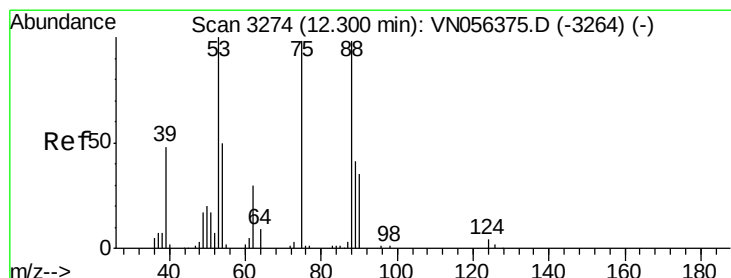
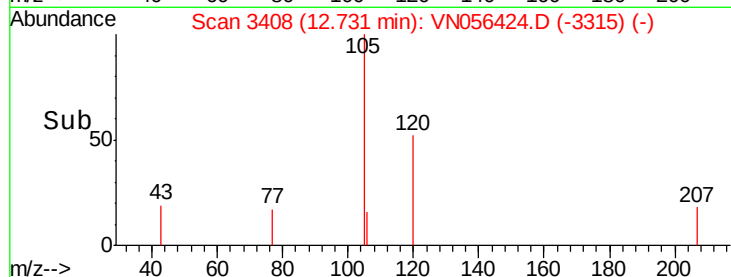
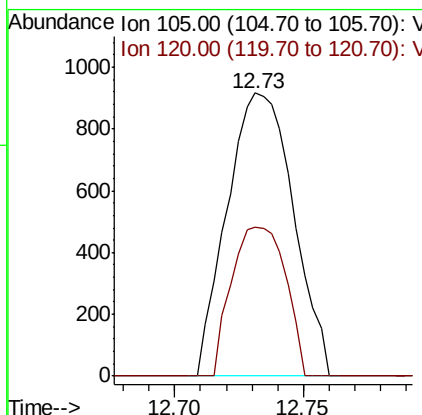
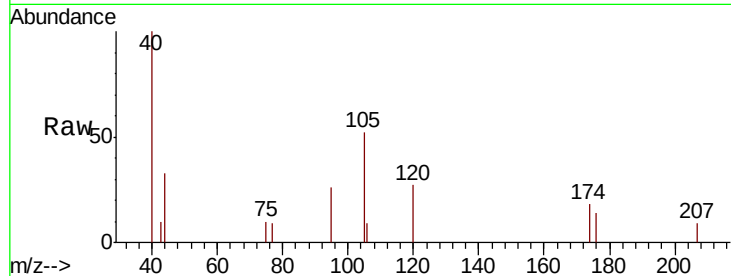




#80  
 1,3,5-Trimethylbenzene  
 Concen: Below Cal  
 RT: 12.73 min Scan# 3408  
 Delta R.T. 0.00 min  
 Lab File: VN056424.D  
 Acq: 21 Jun 2019 14:29

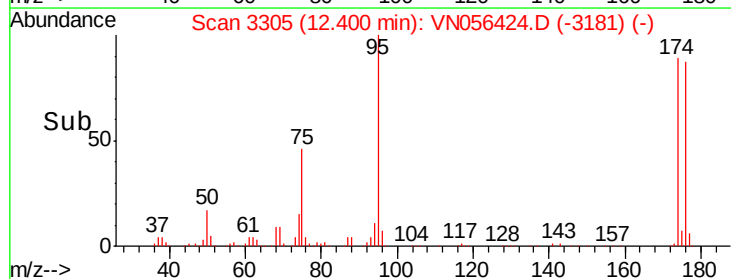
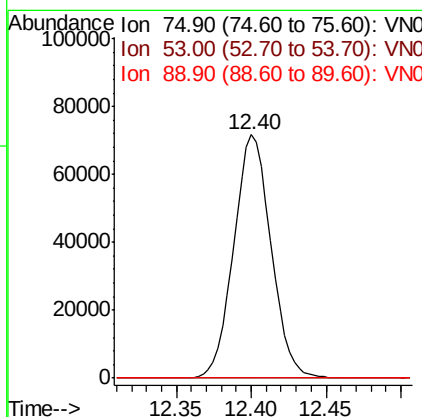
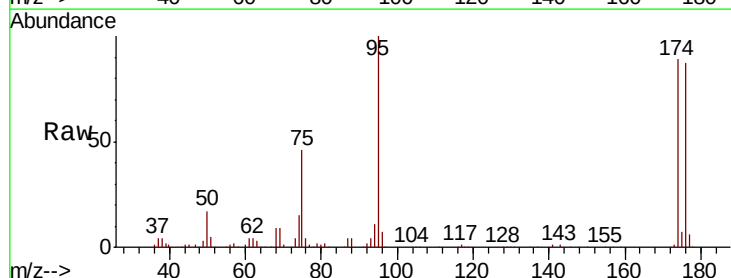
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB120805ZHE#01

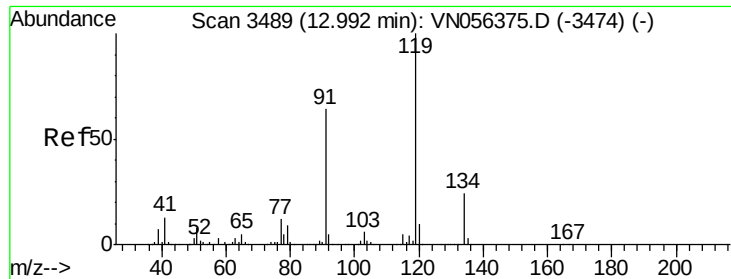
Tot Ion:105 Resp: 1640  
 Ion Ratio Lower Upper  
 105 100  
 120 43.0 24.8 74.4



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 108.012 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.10 min  
 Lab File: VN056424.D  
 Acq: 21 Jun 2019 14:29

Tgt Ion: 75 Resp: 124179  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 83.9 125.9#  
 89 0.0 35.0 52.6#

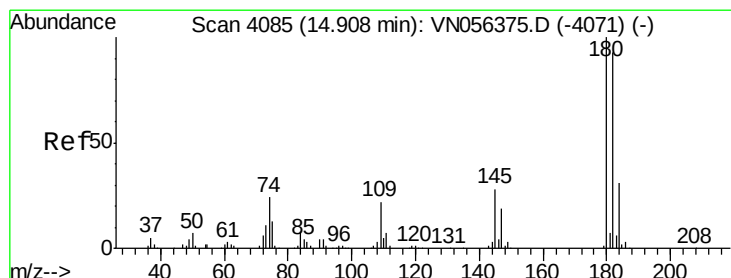
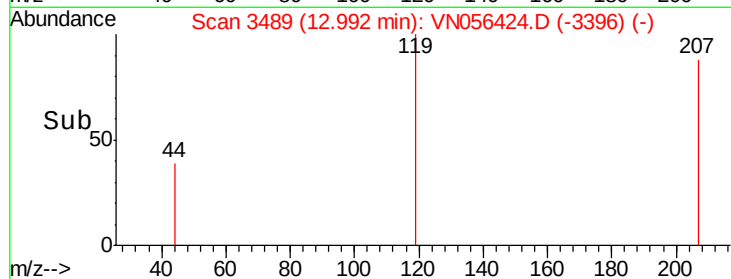
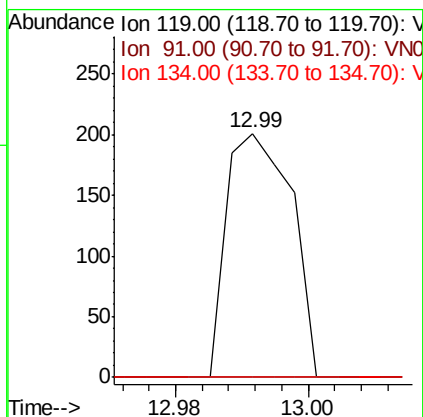
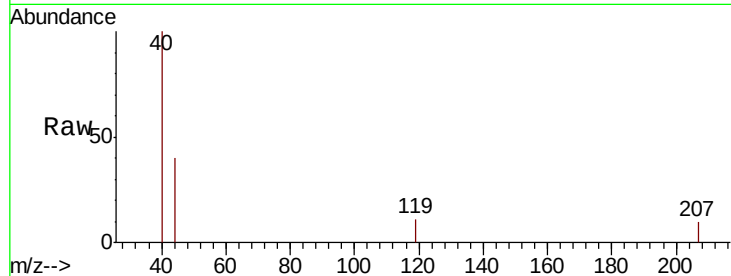




#83  
 tert-Butylbenzene  
 Concen: Below Cal  
 RT: 12.99 min Scan# 3489  
 Delta R.T. 0.00 min  
 Lab File: VN056424.D  
 Acq: 21 Jun 2019 14:29

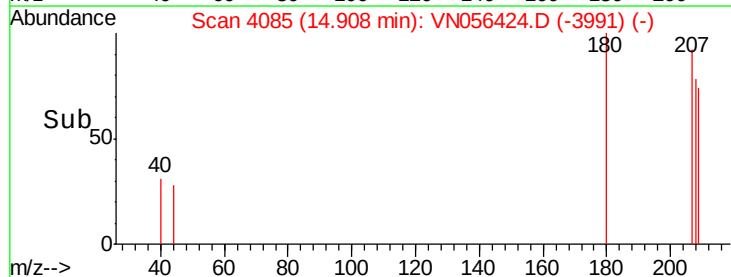
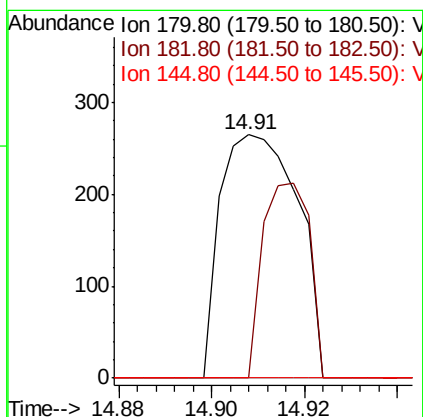
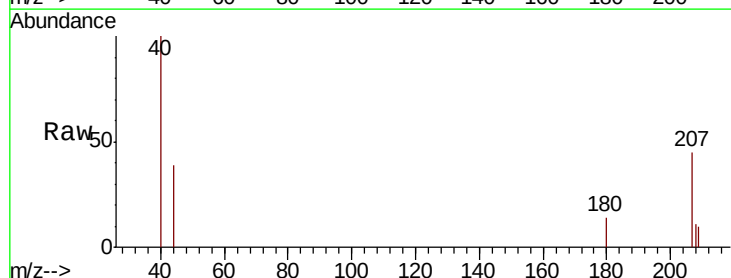
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB120805ZHE#01

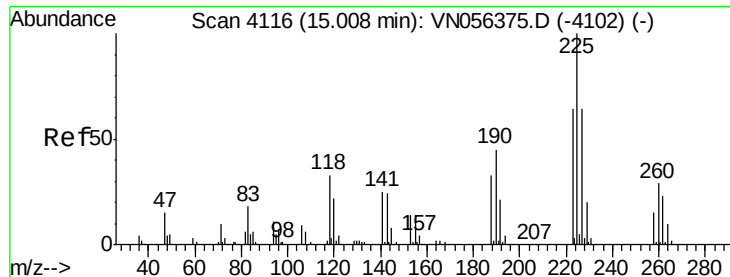
Tot Ion:119 Resp: 138  
 Ion Ratio Lower Upper  
 119 100  
 91 0.0 31.6 94.7#  
 134 0.0 13.2 39.5#



#93  
 1,2,4-Trichlorobenzene  
 Concen: 5.693 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN056424.D  
 Acq: 21 Jun 2019 14:29

Tgt Ion:180 Resp: 307  
 Ion Ratio Lower Upper  
 180 100  
 182 48.5 46.9 140.6  
 145 0.0 14.4 43.0#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056424.D

Acq: 21 Jun 2019 14:29

Instrument :

MSVOA\_N

ClientSampleId :

PB120805ZHE#01

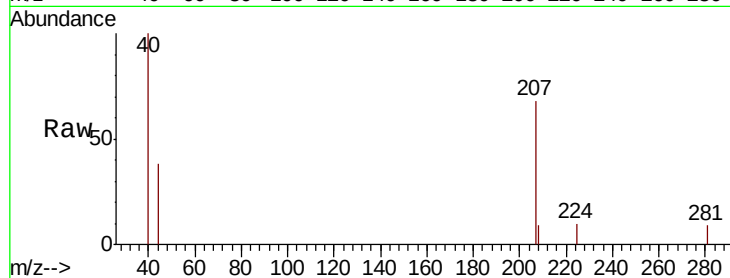
Tot Ion:225 Resp: 63

Ion Ratio Lower Upper

225 100

223 0.0 31.4 94.3#

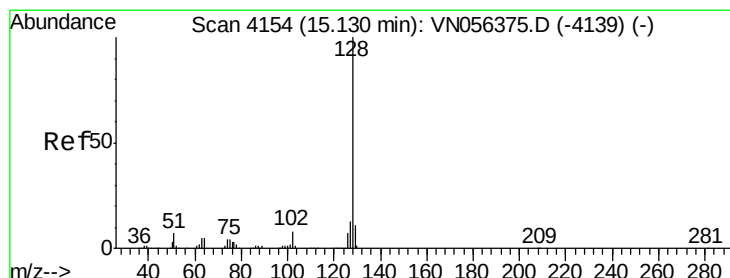
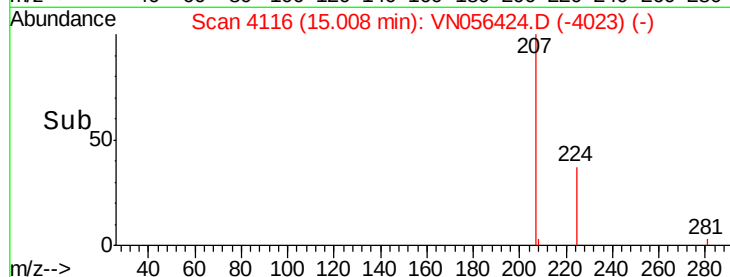
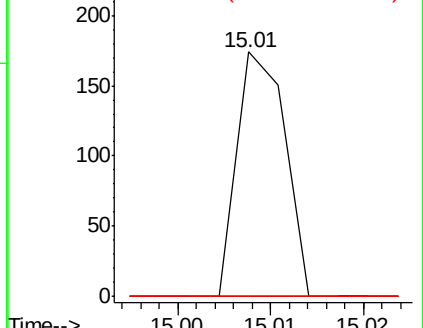
227 0.0 32.1 96.3#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 5.361 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056424.D

Acq: 21 Jun 2019 14:29

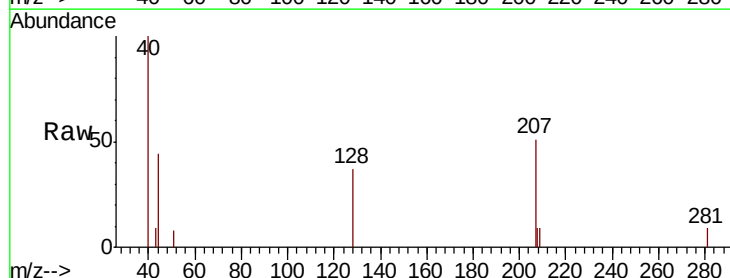
Tgt Ion:128 Resp: 1171

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

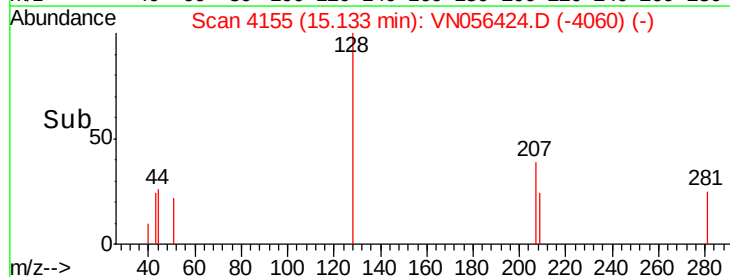
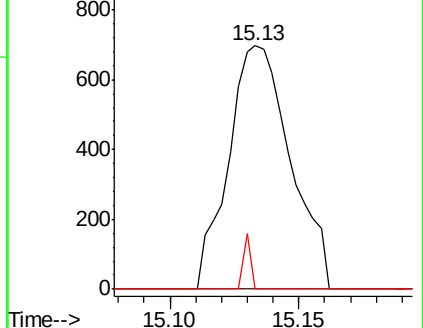
129 2.6 8.6 12.8#

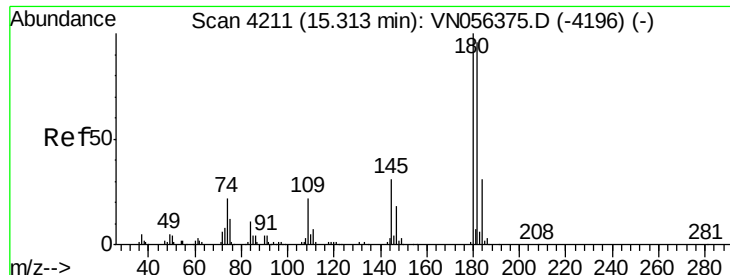


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96  
 1,2,3-Trichlorobenzene  
 Concen: 4.592 ug/l  
 RT: 15.32 min Scan# 4213  
 Delta R.T. 0.01 min  
 Lab File: VN056424.D  
 Acq: 21 Jun 2019 14:29

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB120805ZHE#01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 65.4  | 48.3  | 144.8 |
| 145     | 0.0   | 15.4  | 46.1  |

